

# STATE OF NEW YORK

4578

2021-2022 Regular Sessions

## IN ASSEMBLY

February 4, 2021

Introduced by M. of A. MAGNARELLI -- read once and referred to the  
Committee on Transportation

AN ACT authorizing the commissioner of transportation to conduct a study  
relating to airborne ultrafine particles

The People of the State of New York, represented in Senate and Assem-  
bly, do enact as follows:

- 1 Section 1. Short title. This act shall be known and may be cited as  
2 the "Protect New York Airport Communities from Particle Emissions Act".  
3 § 2. 1. Definitions. a. For the purpose of this section, "ultrafine  
4 particles" "UFP" and "UFP's" shall mean particles with diameters less  
5 than or equal to 100 nanometers.  
6 2. Airborne ultrafine particle study. The commissioner of transporta-  
7 tion shall conduct a study relating to airborne ultrafine particles  
8 ("UFP's"). The scope of such study shall include:  
9 (a) summarizing the relevant literature and studies done on airborne  
10 UFP's worldwide;  
11 (b) analyzing the impacts of certain large hub commercial airports on  
12 airborne UFP's, including, but not limited to:  
13 (i) John F. Kennedy International Airport;  
14 (ii) LaGuardia Airport;  
15 (iii) Buffalo Niagara International Airport;  
16 (iv) Syracuse Hancock International Airport;  
17 (v) Greater Rochester International Airport;  
18 (vi) Albany International Airport; and  
19 (vii) any other metropolitan large hub airport identified by the  
20 commissioner of transportation.  
21 (c) investigating the characteristics of airborne UFP's, including but  
22 not limited to:  
23 (i) the spatial and temporal distributions of UFP concentrations;  
24 (ii) the primary sources of UFP's;

EXPLANATION--Matter in italics (underscored) is new; matter in brackets  
[-] is old law to be omitted.

LBD03800-01-1

1 (iii) the extent to which aircraft and airport operations are contrib-  
2 uting to the distribution of UFP concentrations when compared to other  
3 sources;

4 (iv) the potential health effects associated with elevated UFP expo-  
5 sure, including heart and lung diseases, asthma, nervous system disor-  
6 ders and other health effects that have been considered in previous  
7 studies; and

8 (v) the potential UFP exposure by susceptible and vulnerable groups.

9 (d) identifying measures, including the use of sustainable aviation  
10 fuels, intended to reduce emissions from aircraft and airport operations  
11 and to assess potential impacts on UFP-related emissions; and

12 (e) identifying information gaps related to understanding the  
13 relationships between UFP exposure and health effects, contributions of  
14 aviation-related emissions to UFP exposure and the effectiveness of  
15 mitigation measures.

16 3. Coordination. The commissioner of transportation shall coordinate  
17 with the commissioner of environmental conservation, the commissioner of  
18 health and any other agency the commissioner of transportation deems  
19 appropriate to provide data and other assistance necessary for such  
20 study.

21 4. Report. The commissioner shall submit a report including recommen-  
22 dations and findings based on this study to the governor, the temporary  
23 president of the senate and the speaker of the assembly no later than  
24 two years after the effective date of this act.

25 § 3. This act shall take effect immediately.